

**BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM  
NORTH DAKOTA CORE QUESTIONS DATA REPORT, 2004**

**SECTION 5: ENVIRONMENTAL FACTORS CONTENTS**

\* NOTE \* \* \* \* \*

WHEN THE DENOMINATOR IS NOT BASED ON THE TOTAL POPULATION SURVEYED, THE TITLE CONTAINS A DESCRIPTION OF WHAT POPULATION IS EXCLUDED FROM THE DENOMINATOR. IF THE TITLE DOES NOT DESCRIBE THE DENOMINATOR, THE TABLE IS BASED ON ALL RESPONDENTS TO THE STATES SURVEY.

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TABLE		PAGE
	IF YOU ARE EXPERIENCING AN ILLNESS OR SYMPTOM WITHIN THE PAST 12 MONTHS THAT WAS CAUSED BY SOMETHING IN THE AIR YOU ENCOUNTERED OVER 12 MONTHS AGO, THE ANSWER IS 'YES'. THINGS LIKE DUST, MOLD, AND CHEMICALS INSIDE THE HOME OR OFFICE CAN CAUSE POOR INDOOR AIR QUALITY. IN THE PAST 12 MONTHS HAVE YOU HAD AN ILLNESS OR SYMPTOMS THAT YOU THINK WAS CAUSED BY SOMETHING IN THE AIR INSIDE A HOME, OFFICE, OR OTHER BUILDING? (EFILLAIR)	
1	MALES AND FEMALES	31
2	MALES ONLY	32
3	FEMALES ONLY	33
	THIS QUESTION DOES NOT REFER TO NATURAL AGENTS LIKE POLLEN OR DUST IN OUTDOOR AIR. IF RESPONDENT IS EXPERIENCING AN ILLNESS OR SYMPTOM WITHIN THE PAST 12 MONTHS THAT WAS CAUSED BY SOMETHING IN THE AIR THEY ENCOUNTERED OVER 12 MONTHS AGO, THE ANSWER IS 'YES'. THINGS LIKE SMOG, AUTOMOBILE EXHAUST, AND CHEMICALS CAN CAUSE OUTDOOR AIR POLLUTION. IN THE PAST 12 MONTHS HAVE YOU HAD AN ILLNESS OR SYMPTOM THAT YOU THINK WAS CAUSED BY POLLUTION IN THE AIR OUTDOORS? (EFILLPOL)	
4	MALES AND FEMALES	34
5	MALES ONLY	35
6	FEMALES ONLY	36

**BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM  
NORTH DAKOTA CORE QUESTIONS DATA REPORT, 2004  
SECTION 5: ENVIRONMENTAL FACTORS**

**TABLE 1: IF YOU ARE EXPERIENCING AN ILLNESS OR SYMPTOM WITHIN THE PAST 12 MONTHS THAT WAS CAUSED BY SOMETHING IN THE AIR YOU ENCOUNTERED OVER 12 MONTHS AGO, THE ANSWER IS 'YES'. THINGS LIKE DUST, MOLD, AND CHEMICALS INSIDE THE HOME OR OFFICE CAN CAUSE POOR INDOOR AIR QUALITY. IN THE PAST 12 MONTHS HAVE YOU HAD AN ILLNESS OR SYMPTOMS THAT YOU THINK WAS CAUSED BY SOMETHING IN THE AIR INSIDE A HOME, OFFICE, OR OTHER BUILDING? (EFILLAIR)**

Denominator excludes: Respondents with do not know/refused/missing responses

DEMOGRAPHIC GROUPS	RESPONDENT NUMBER		Yes			No		
	TOTAL	WEIGHTED	N	%	C.I. (95%)	N	%	C.I. (95%)
TOTAL	3020	483809	573	19.3	17.7-21.0	2447	80.7	79.0-82.4
SEX								
Male	1299	239695	187	14.9	12.7-17.2	1112	85.1	82.8-87.4
Female	1721	244114	386	23.6	21.3-26.0	1335	76.4	74.0-78.8
RACE								
Native	80	17507	28	34.5	21.5-47.6	52	65.4	52.4-78.5
Non-Native	2912	462750	540	18.7	17.1-20.4	2372	81.3	79.6-82.9
AGE								
18-24	200	75791	51	24.7	18.2-31.2	149	75.3	68.8-81.8
25-34	422	76271	99	23.8	19.3-28.2	323	76.3	71.8-80.7
35-44	573	87995	128	22.1	18.5-25.7	445	77.9	74.3-81.6
45-54	658	89495	146	20.4	17.2-23.7	512	79.6	76.3-82.9
55-64	452	58671	65	13.4	10.3-16.6	387	86.5	83.1-90.0
65+	698	93395	81	11.4	8.8-14.0	617	88.6	85.9-91.2
EDUCATION								
Less Than H.S.	256	40286	36	15.6	10.2-21.0	220	84.4	78.9-89.9
H.S. or G.E.D.	897	144103	149	16.9	14.0-19.8	748	83.1	80.2-86.0
Some Post-H.S.	985	162	214	22.8	19.6-26.0	771	77.2	74.0-80.4
College Graduate	876	136500	174	19.0	16.2-21.7	702	81.0	78.2-83.9
HOUSEHOLD INCOME								
Less than \$15,000	259	39839	59	25.4	18.1-32.7	200	74.6	67.2-82.0
\$15,000- 24,999	489	74810	91	18.0	14.1-21.9	398	82.0	78.1-85.9
\$25,000- 34,999	446	71065	97	22.9	18.2-27.7	349	77.1	72.3-81.9
\$35,000- 49,999	566	89096	115	20.3	16.6-24.1	451	79.7	75.9-83.4
\$50,000- 74,999	502	83720	88	17.1	13.6-20.5	414	82.9	79.5-86.4
\$75,000+	390	64591	68	17.6	13.5-21.8	322	82.3	78.1-86.6

NOTE:

% = Percentage, C.I. (95%) = Confidence Interval (at 95 percent probability level). Percentages are weighted to population characteristics.

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SECTION 5: ENVIRONMENTAL FACTORS**

**TABLE 2: IF YOU ARE EXPERIENCING AN ILLNESS OR SYMPTOM WITHIN THE PAST 12 MONTHS THAT WAS CAUSED BY SOMETHING IN THE AIR YOU ENCOUNTERED OVER 12 MONTHS AGO, THE ANSWER IS 'YES'. THINGS LIKE DUST, MOLD, AND CHEMICALS INSIDE THE HOME OR OFFICE CAN CAUSE POOR INDOOR AIR QUALITY. IN THE PAST 12 MONTHS HAVE YOU HAD AN ILLNESS OR SYMPTOMS THAT YOU THINK WAS CAUSED BY SOMETHING IN THE AIR INSIDE A HOME, OFFICE, OR OTHER BUILDING? (EFILLAIR)**

Denominator excludes: Respondents who are female or respondents with do not know/refused or with missing responses

DEMOGRAPHIC GROUPS	RESPONDENT NUMBER		Yes			No		
	TOTAL	WEIGHTED	N	%	C.I. (95%)	N	%	C.I. (95%)
MALES ONLY								
SEX								
Male	1299	239695	187	14.9	12.7-17.2	1112	85.1	82.8-87.4
RACE								
Native	36	10102	11	27.8	10.4-45.2	25	72.2	54.8-89.6
Non-Native	1251	228214	174	14.3	12.1-16.6	1077	85.7	83.4-87.9
AGE								
18-24	88	40034	18	18.1	9.9-26.4	70	81.9	73.6-90.1
25-34	188	39946	38	20.6	14.2-26.9	150	79.4	73.1-85.8
35-44	254	43999	41	16.4	11.6-21.2	213	83.6	78.7-88.5
45-54	295	46346	47	14.7	10.5-19.0	248	85.3	81.0-89.5
55-64	217	29286	18	7.3	3.9-10.6	199	92.8	89.0-96.5
65+	252	39308	25	10.4	6.2-14.6	227	89.6	85.3-93.9
EDUCATION								
Less Than H.S.	108	20246	14	15.4	7.3-23.6	94	84.6	76.3-92.9
H.S. or G.E.D.	409	76804	65	16.3	12.1-20.6	344	83.7	79.4-88.0
Some Post-H.S.	410	77367	58	15.2	11.0-19.4	352	84.8	80.6-89.1
College Graduate	370	64966	50	12.9	9.3-16.4	320	87.1	83.5-90.8
HOUSEHOLD INCOME								
Less than \$15,000	67	11826	13	22.4	9.7-35.2	54	77.5	64.5-90.6
\$15,000- 24,999	201	35825	26	10.8	6.5-15.2	175	89.1	84.7-93.6
\$25,000- 34,999	194	36871	34	20.5	13.3-27.8	160	79.5	72.2-86.8
\$35,000- 49,999	285	49464	38	15.1	10.1-20.1	247	84.9	79.9-89.9
\$50,000- 74,999	252	45033	35	13.5	9.1-17.9	217	86.5	82.1-90.9
\$75,000+	187	35351	26	13.6	8.4-18.9	161	86.4	81.0-91.7

NOTE:

% = Percentage, C.I. (95%) = Confidence Interval (at 95 percent probability level). Percentages are weighted to population characteristics.

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**TABLE 3: IF YOU ARE EXPERIENCING AN ILLNESS OR SYMPTOM WITHIN THE PAST 12 MONTHS THAT WAS CAUSED BY SOMETHING IN THE AIR YOU ENCOUNTERED OVER 12 MONTHS AGO, THE ANSWER IS 'YES'. THINGS LIKE DUST, MOLD, AND CHEMICALS INSIDE THE HOME OR OFFICE CAN CAUSE POOR INDOOR AIR QUALITY. IN THE PAST 12 MONTHS HAVE YOU HAD AN ILLNESS OR SYMPTOMS THAT YOU THINK WAS CAUSED BY SOMETHING IN THE AIR INSIDE A HOME, OFFICE, OR OTHER BUILDING? (EFILLAIR)**

Denominator excludes: Respondents who are male or respondents with do not know/refused or with missing responses

DEMOGRAPHIC GROUPS	RESPONDENT NUMBER		Yes			No		
	TOTAL	WEIGHTED	N	%	C.I. (95%)	N	%	C.I. (95%)
FEMALES ONLY								
SEX								
Female	1721	244114	386	23.6	21.3-26.0	1335	76.4	74.0-78.8
RACE								
Native	44	7405	17	43.8	26.2-61.4	27	56.2	38.6-73.8
Non-Native	1661	234536	366	23.0	20.6-25.4	1295	77.0	74.6-79.4
AGE								
18-24	112	35757	33	32.0	22.4-41.7	79	68.0	58.3-77.6
25-34	234	36325	61	27.2	21.1-33.4	173	72.8	66.6-78.9
35-44	319	43996	87	27.8	22.5-33.1	232	72.2	66.9-77.5
45-54	363	43148	99	26.5	21.7-31.4	264	73.5	68.6-78.4
55-64	235	29384	47	19.6	14.4-24.9	188	80.4	74.8-85.9
65+	446	54088	56	12.1	8.9-15.4	390	87.8	84.5-91.2
EDUCATION								
Less Than H.S.	148	20040	22	15.7	8.6-22.9	126	84.3	77.1-91.4
H.S. or G.E.D.	488	67298	84	17.5	13.7-21.3	404	82.5	78.7-86.3
Some Post-H.S.	575	84822	156	29.7	25.1-34.3	419	70.3	65.7-74.9
College Graduate	506	71533	124	24.5	20.4-28.6	382	75.5	71.4-79.6
HOUSEHOLD INCOME								
Less than \$15,000	192	28013	46	26.6	17.8-35.5	146	73.4	64.5-82.3
\$15,000- 24,999	288	38985	65	24.6	18.7-30.5	223	75.4	69.5-81.3
\$25,000- 34,999	252	34194	63	25.5	19.5-31.6	189	74.4	68.3-80.6
\$35,000- 49,999	281	39632	77	26.9	21.2-32.5	204	73.1	67.4-78.8
\$50,000- 74,999	250	38686	53	21.3	15.9-26.6	197	78.7	73.4-84.1
\$75,000+	203	29240	42	22.5	16.0-29.0	161	77.5	71.0-84.0

NOTE:

% = Percentage, C.I. (95%) = Confidence Interval (at 95 percent probability level). Percentages are weighted to population characteristics.

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**TABLE 4: THIS QUESTION DOES NOT REFER TO NATURAL AGENTS LIKE POLLEN OR DUST IN OUTDOOR AIR. IF RESPONDENT IS EXPERIENCING AN ILLNESS OR SYMPTOM WITHIN THE PAST 12 MONTHS THAT WAS CAUSED BY SOMETHING IN THE AIR THEY ENCOUNTERED OVER 12 MONTHS AGO, THE ANSWER IS 'YES'. THINGS LIKE SMOG, AUTOMOBILE EXHAUST, AND CHEMICALS CAN CAUSE OUTDOOR AIR POLLUTION. IN THE PAST 12 MONTHS HAVE YOU HAD AN ILLNESS OR SYMPTOM THAT YOU THINK WAS CAUSED BY POLLUTION IN THE AIR OUTDOORS? (EFILLPOL)**

Denominator excludes: Respondents with do not know/refused/missing responses

DEMOGRAPHIC GROUPS	RESPONDENT NUMBER		Yes			No		
	TOTAL	WEIGHTED	N	%	C.I. (95%)	N	%	C.I. (95%)
TOTAL	3026	482934	196	6.4	5.4-7.4	2830	93.6	92.5-94.7
SEX								
Male	1297	237911	73	5.7	4.2-7.1	1224	94.3	92.6-96.0
Female	1729	245024	123	7.1	5.7-8.5	1606	92.9	91.5-94.3
RACE								
Native	80	17507	8	9.0	1.6-16.3	72	91.0	83.7-98.4
Non-Native	2918	461875	186	6.3	5.3-7.3	2732	93.7	92.6-94.8
AGE								
18-24	198	74551	13	7.1	3.2-11.1	185	92.9	88.4-97.3
25-34	422	76271	22	5.5	3.1-7.9	400	94.5	92.1-96.9
35-44	575	88321	38	6.3	4.2-8.4	537	93.7	91.5-95.9
45-54	659	89538	55	7.9	5.7-10.1	604	92.1	89.9-94.4
55-64	455	58967	31	6.3	4.1-8.6	424	93.7	91.2-96.2
65+	700	93094	35	5.1	3.4-6.9	665	94.9	92.8-96.9
EDUCATION								
Less Than H.S.	257	39988	24	9.4	5.3-13.5	233	90.6	86.1-95.1
H.S. or G.E.D.	893	142801	55	6.2	4.2-8.2	838	93.8	91.5-96.0
Some Post-H.S.	991	162515	75	7.4	5.6-9.3	916	92.6	90.6-94.5
College Graduate	879	136898	42	4.5	3.0-5.9	837	95.5	94.0-97.0
HOUSEHOLD INCOME								
Less than \$15,000	262	39331	23	5.8	3.3-8.4	239	94.1	89.8-98.5
\$15,000- 24,999	490	74758	38	8.5	5.4-11.6	452	91.5	88.3-94.6
\$25,000- 34,999	445	70517	25	5.8	2.9-8.6	420	94.2	91.0-97.5
\$35,000- 49,999	570	89575	39	6.8	4.5-9.0	531	93.3	91.0-95.5
\$50,000- 74,999	501	83564	26	4.5	2.8-6.2	475	95.5	93.7-97.3
\$75,000+	390	64451	21	4.9	2.7-7.1	369	95.1	92.7-97.5

NOTE:

% = Percentage, C.I. (95%) = Confidence Interval (at 95 percent probability level). Percentages are weighted to population characteristics.

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SECTION 5: ENVIRONMENTAL FACTORS**

**TABLE 5: THIS QUESTION DOES NOT REFER TO NATURAL AGENTS LIKE POLLEN OR DUST IN OUTDOOR AIR. IF RESPONDENT IS EXPERIENCING AN ILLNESS OR SYMPTOM WITHIN THE PAST 12 MONTHS THAT WAS CAUSED BY SOMETHING IN THE AIR THEY ENCOUNTERED OVER 12 MONTHS AGO, THE ANSWER IS 'YES'. THINGS LIKE SMOG, AUTOMOBILE EXHAUST, AND CHEMICALS CAN CAUSE OUTDOOR AIR POLLUTION. IN THE PAST 12 MONTHS HAVE YOU HAD AN ILLNESS OR SYMPTOM THAT YOU THINK WAS CAUSED BY POLLUTION IN THE AIR OUTDOORS? (EFILLPOL)**

Denominator excludes: Respondents who are female or respondents with do not know/refused or with missing responses

DEMOGRAPHIC GROUPS	RESPONDENT NUMBER		Yes			No		
	TOTAL	WEIGHTED	N	%	C.I. (95%)	N	%	C.I. (95%)
MALES ONLY								
SEX								
Male	1297	237911	73	5.7	4.2-7.1	1224	94.3	92.6-96.0
RACE								
Native	36	10102	4	9.5	0.0-20.5	32	90.5	79.5-100.0
Non-Native	1249	226429	68	5.4	4.0-6.9	1181	94.5	92.8-96.3
AGE								
18-24	86	38794	5	7.1	1.1-13.1	81	92.9	85.7-100.0
25-34	188	39946	10	4.9	1.7-8.1	178	95.1	91.9-98.3
35-44	256	44325	13	4.7	2.0-7.4	243	95.3	92.5-98.0
45-54	293	46036	23	8.2	4.8-11.6	270	91.8	88.3-95.3
55-64	218	29321	12	5.1	2.2-8.1	206	94.9	91.5-98.2
65+	251	38713	10	3.5	1.3-5.8	241	96.4	93.1-99.8
EDUCATION								
Less Than H.S.	109	19988	9	7.9	2.5-13.3	100	92.1	85.5-98.7
H.S. or G.E.D.	405	75584	25	6.8	3.6-10.0	380	93.2	89.5-96.9
Some Post-H.S.	410	76977	25	5.8	3.3-8.4	385	94.1	91.3-97.0
College Graduate	371	65050	14	3.4	1.5-5.3	357	96.6	94.5-98.6
HOUSEHOLD INCOME								
Less than \$15,000	67	11026	7	6.6	1.9-11.3	60	93.4	81.0-100.0
\$15,000- 24,999	201	35777	14	6.8	2.7-10.8	187	93.2	89.0-97.4
\$25,000- 34,999	191	35962	9	6.0	1.2-10.7	182	94.0	88.4-99.6
\$35,000- 49,999	287	49694	14	5.1	2.3-7.9	273	94.9	92.1-97.7
\$50,000- 74,999	251	44878	10	3.1	1.1-5.1	241	96.9	94.8-99.0
\$75,000+	186	35093	8	3.7	1.0-6.5	178	96.3	93.1-99.4

NOTE:

% = Percentage, C.I. (95%) = Confidence Interval (at 95 percent probability level). Percentages are weighted to population characteristics.

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SECTION 5: ENVIRONMENTAL FACTORS**

**TABLE 6: THIS QUESTION DOES NOT REFER TO NATURAL AGENTS LIKE POLLEN OR DUST IN OUTDOOR AIR. IF RESPONDENT IS EXPERIENCING AN ILLNESS OR SYMPTOM WITHIN THE PAST 12 MONTHS THAT WAS CAUSED BY SOMETHING IN THE AIR THEY ENCOUNTERED OVER 12 MONTHS AGO, THE ANSWER IS 'YES'. THINGS LIKE SMOG, AUTOMOBILE EXHAUST, AND CHEMICALS CAN CAUSE OUTDOOR AIR POLLUTION. IN THE PAST 12 MONTHS HAVE YOU HAD AN ILLNESS OR SYMPTOM THAT YOU THINK WAS CAUSED BY POLLUTION IN THE AIR OUTDOORS? (EFILLPOL)**

Denominator excludes: Respondents who are male or respondents with do not know/refused or with missing responses

DEMOGRAPHIC GROUPS	RESPONDENT NUMBER		Yes			No		
	TOTAL	WEIGHTED	N	%	C.I. (95%)	N	%	C.I. (95%)
FEMALES ONLY								
SEX								
Female	1729	245024	123	7.1	5.7-8.5	1606	92.9	91.5-94.3
RACE								
Native	44	7405	4	8.2	0.0-16.9	40	91.8	83.1-100.0
Non-Native	1669	235445	118	7.1	5.7-8.5	1551	92.9	91.5-94.3
AGE								
18-24	112	35757	8	7.2	2.2-12.1	104	92.8	87.9-97.8
25-34	234	36325	12	6.0	2.4-9.7	222	93.9	90.3-97.6
35-44	319	43996	25	7.9	4.6-11.2	294	92.1	88.8-95.4
45-54	366	43502	32	7.6	4.9-10.3	334	92.4	89.6-95.2
55-64	237	29647	19	7.5	4.2-10.9	218	92.5	88.8-96.2
65+	449	54381	25	6.2	3.7-8.8	424	93.8	91.2-96.4
EDUCATION								
Less Than H.S.	148	20000	15	10.9	4.8-17.0	133	89.1	82.9-95.3
H.S. or G.E.D.	488	67217	30	5.6	3.5-7.7	458	94.4	92.2-96.7
Some Post-H.S.	581	85538	50	8.9	6.2-11.6	531	91.1	88.4-93.9
College Graduate	508	71848	28	5.5	3.3-7.7	480	94.5	92.3-96.7
HOUSEHOLD INCOME								
Less than \$15,000	195	28305	16	5.6	2.6-8.6	179	94.4	91.4-97.4
\$15,000- 24,999	289	38981	24	10.1	5.6-14.6	265	89.9	85.3-94.5
\$25,000- 34,999	254	34554	16	5.6	2.6-8.6	238	94.4	91.3-97.5
\$35,000- 49,999	283	39881	25	8.8	5.1-12.5	258	91.2	87.5-94.9
\$50,000- 74,999	250	38686	16	6.0	3.1-9.0	234	94.0	90.9-97.0
\$75,000+	204	29358	13	6.3	2.7-9.9	191	93.7	90.1-97.3

NOTE:

% = Percentage, C.I. (95%) = Confidence Interval (at 95 percent probability level). Percentages are weighted to population characteristics.